

## **Historic, Archive Document**

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*Guaranteed Quality*  
**FOR BETTER YIELDS**

## Hybrid Seed Production and Preparation

The production of SCOTTS Hybrid Seed Corn centers on quality seeds that will plant uniformly and produce big crops.

The strict rules of certification are more than met in proper isolation of fields and prompt detasseling, both of which insure purity and uniformity of seed. Drying at recommended temperatures, hand

sorting to remove damaged kernels and less desirable ears insures high germination and strong sprouts.

Careful grading of kernels for width, length and thickness insures uniform stands and trouble-free planting. The final step of treating gives further assurance of healthy, vigorous uniform stands for SCOTT customers.

### Acres Per Bushel of Seed

PLANTS PER ACRE	LARGE FLATS		MEDIUM FLATS		SMALL FLATS		MEDIUM ROUNDS	
	A	B	A	B	A	B	A	B
17,000	5.0	4.3	6.1	5.4	6.8	6.0	5.4	4.7
15,000	5.6	4.8	6.9	6.2	7.6	6.7	6.2	5.2
13,000	6.5	5.6	8.0	7.1	8.8	7.7	7.1	6.0
11,000	7.6	6.6	9.4	8.4	10.5	9.1	8.4	7.1
9,000	9.3	8.1	11.6	10.3	13.0	11.2	10.3	8.7

A—Shallow Kerneled Hybrid

B—Deep Kerneled Hybrid

### Rate of Planting Corn

For maximum yield, experiments show that corn should be planted at a rate which will produce ears weighing about 1/2 lb. each. It is estimated that a loss in yield from 8 to 10 bushels per acre will result for each 1/10 lb. that ears vary from this 1/2 lb. per ear standard. As an example, ears averaging 7/10 lb. would result in a yield loss of 16 to 20 bushels per acre.

ANTICIPATED YIELD—Bushels per acre	INCHES BETWEEN ROWS	INCHES BE- TWEEN PLANTS DRILLED	STALKS PER HILL	APPROXIMATE PLANTS PER ACRE
100-130	42	8.4	5	17,000
	38	9.3	4	
85-99	42	10.0	4	15,000
	38	11.0	3	
75-84	42	11.5	4	13,000
	38	12.7	3	
60-74	42	13.6	3	11,000
	38	15.0	2	
50-59	42	16.6	3	9,000
	38	18.3	2	

## *Scott's* 11 90-95 days maturity

A high yielding, early hybrid, dark green color, sound dark yellow kernels. Dries out quickly and will crib early. Medium-sized ears that husk easily. This hybrid has out-yielded Ohio M-15 and is adapted to short season areas or for late planting where later hybrids are normally used.

## **Ohio M15 90-95 days maturity**

A favorite for short seasons producing uniform, sound, well-filled medium-sized ears. It is resistant to lodging, has good roots and is an easy husker, produces well in its maturity class and is suited to a wide variation of soil types.



## *Scott's* 22 95-100 days maturity

This hybrid compares in maturity to Ohio M34. However it has outyielded everything in its class and has compared favorably in yield with later hybrids. Medium tall, good stalks and roots with medium to large ears. Will not crib quite as soon as Scott's 11 and Ohio M15 but ears dry out rapidly and are sound. Resistant to blight and smut.

## *Scott's* 33 100-105 days maturity

A handy size hybrid of the K maturity group. Dark green color, dark yellow deep sound kernels. This hybrid has good resistance to disease, is strong stalked, bred for top yields and attractive appearance. A clean picker. Don't overlook this hybrid for medium early production.

## **Ohio K35 100-105 days maturity**

One of the strongest rooted and stalked hybrids available. Resistant to lodging and blight, short to medium in height, leafy, medium-sized ears with deep starchy kernels. Is most popular on light colored or thinner soils and farmers who have found it to their liking use it year after year.

## **Ohio K24** 100-105 days maturity

One of the most popular, widely used, medium early hybrids, strong roots, good resistance to disease and insects. Medium to tall and has been a top yielder in its class in several different states. Small cob dries out early. A good picker corn with ears at nice height. Husks a little hard by hand.

## **Iowa 939** 108-110 days maturity

The most popular medium maturing hybrid in the corn belt. Very blight resistant, medium tall with medium-sized ears that dry out well. Widely used on many different soil types. You never hear of a poor crop of Iowa 939. It is dependable.



## *Scott's 66* 105-108 days maturity

A vigorous growing, high producing, medium early hybrid. Has sounder stalks and shanks than Iowa 939 and is blight resistant. A clean hybrid for either field picking or hand husking. Ears are medium size, deep kernalled, not subject to dropping off. A good crib corn that does well over a wide range of conditions. Strong roots, stalk rot resistant.

## **Ohio W17** 110-112 days maturity

A medium maturing leafy hybrid. Large, thick, smooth type ears, strong roots, produces best on productive soils. Not as blight resistant as Iowa 939 and Scott's 66. Husks clean, is a good crib corn but also produces a high tonnage if needed for ensilage.

## **Ohio W44** 110-112 days maturity

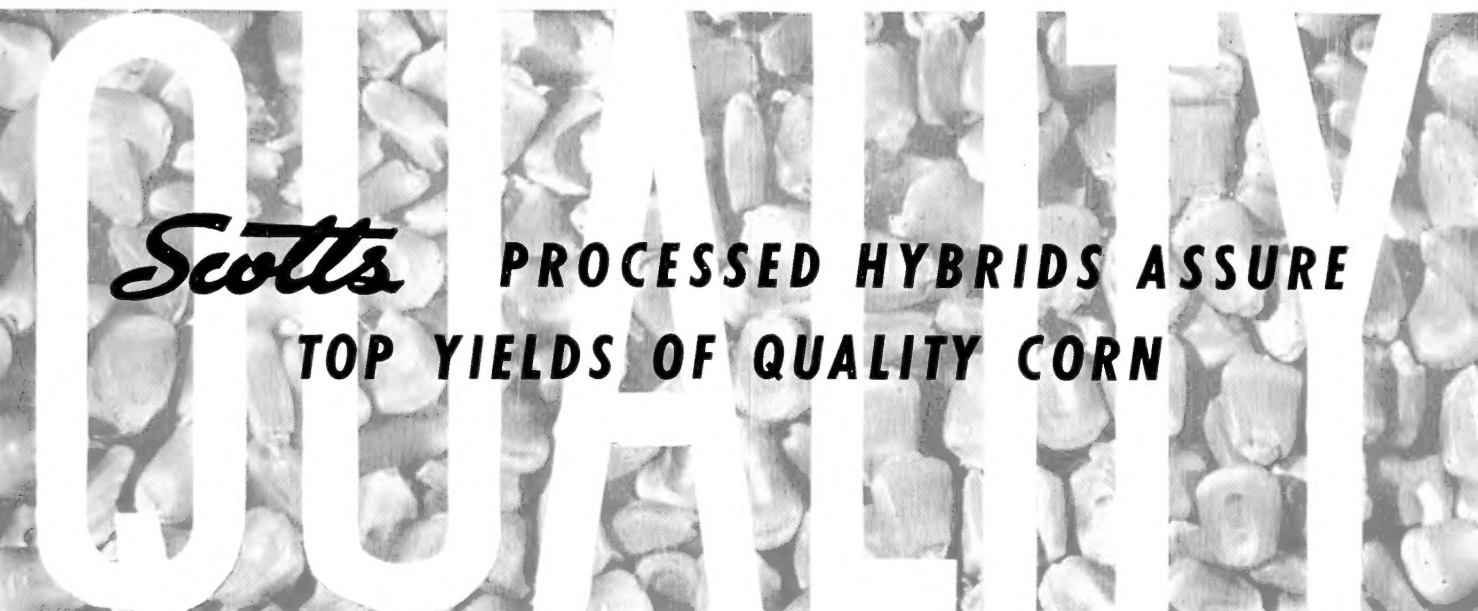
A new hybrid with excellent possibilities. At the top in blight resistance, good roots and stalks and very good in corn borer resistance. A cleaner picking corn than W-36. Worth a trial where medium maturing corn is adapted.

## *Scott's* 75 112-114 days maturity

This hybrid should prove one of the best in its maturity class. Bred for yield, blight resistance, attractive appearance and medium size fodder. Dark yellow deep kernels, vigorous growing and a good root system. Picks clean, husks easy, will dry out quicker and crib sooner than Ohio 38.

*"I like your high quality seed corn also your grass seeds. Both have given me good results." E. R. Gwinn, Meadow Bridge, W. Va.*

*"Your corn is the best that I have grown yet." Henry Newman, Gates Mill, Ohio.*



## *Scott's* PROCESSED HYBRIDS ASSURE TOP YIELDS OF QUALITY CORN

### **Iowa 4059 114-116 days maturity**

A popular clean picking, strong rooted, medium late hybrid. This hybrid is a combination of the best lines of Iowa 939 and Ohio C38. Blight resistant, high yielding, dries out early and does well on different soil types. Frequently used in the Southern half of Ohio where wheat is seeded following corn.

### **Ohio C38 116-118 days maturity**

One of the best medium late hybrids with deep, starchy, soft kernels. Good stalks, leafy; blight smut and stalk rot resistant. Ears are large and a little slow in drying out. Can be used for ensilage as well as crib corn.

**NEW HYBRIDS**—A number of promising new hybrids are being released in Ohio. Some are certified and some are listed as Experimental. While Scotts are not producing these as yet, limited supplies of several will be on hand and others can be obtained for those who want to give them a trial.

## *Scotts 99* 118-120 days maturity

Maturity of and closely related to US 13. Bred for more corn borer resistance, higher yield and shorter fodder. Dark green color, large, deepkerneled ears. Can be used for silage or crib corn. Will do well under different soil conditions and will not get quite as tall as US 13. Dries out well and will crib early for its maturity.

*"Scotts 99 is a good hybrid for this section. It is thick stalked, medium height, and a good vigorous grower. The man who picked it for me said it was the best corn he husked and showed the least damage from borer. I especially like it because it shells so easily". F. Deschamps, Forest Grove, Pa.*



*Scotts* **HYBRIDS HAVE WIDE ADAPTATION  
TO SOILS, SEASONS AND MATURITIES**

## **US 13** 118-120 days maturity

The standby in late maturing hybrids. Strong roots, good stalks; rot, blight resistance, dries out early and is clean picking and easy husking. Ears are large and deepkerneled, stalks dark green and leafy so that it is both a good silage and crib corn. Widely adapted and high yielding but shows up best on dark soils.

## **Ind 750 (White)** 125-130 days maturity

This white hybrid is noted for its standing ability. A much superior root system and more resistant to lodging than Ky. 203. Medium to tall with good-sized deep ears, a clean picking, heavy yielder that can be used for silage or crib corn. Adapted only where growing seasons are long.

## **Silage Blends . . . Early — Late**

These are medium sized kernels of several different hybrids blended together to give top quality ensilage at lower seed cost. There's a better balance of ears to stalks and a longer period of time that good silage can be made than with a single hybrid. The maturity variation within each blend is approximately 7 days. Some have reported these hybrids produced their best crib corn.





AREA	SHORT SEASON	MID SEASON	FULL SEASON
1		SCOTTS 11 Ohio M-15 SCOTTS 22	SCOTTS 33 Ohio K-24 Ohio K-35
2-3	SCOTTS 11 Ohio M-15 SCOTTS 22	SCOTTS 33 Ohio K-24 Ohio K-35	SCOTTS 66 Ohio W-44 Iowa 939 Ohio W-17
4	SCOTTS 33 Ohio K-24 Ohio K-35	SCOTTS 66 Ohio W-44 Ohio W-17 Iowa 939	SCOTTS 75 Iowa 4059 Ohio C-38
5-6	SCOTTS 66 Ohio W-44 Iowa 939*	SCOTTS 75 Iowa 4059* Ohio C-38	SCOTTS 99 US-13 Ind 750 (white)
7	SCOTTS 99 US-13	Ind 750 (white)	

\*Avoid early planting of these hybrids where corn borer is serious.

Selection of the proper hybrids in adjoining states can be made by using Ohio as a guide and considering length of the normal growing season. Variations in altitude or elevation of approximately 500 ft. requires a shift to earlier or later hybrids.

In season *Scott's* have

**ALFALFA**

Ranger  
Buffalo  
Canadian  
Northern  
Kansas  
Oklahoma

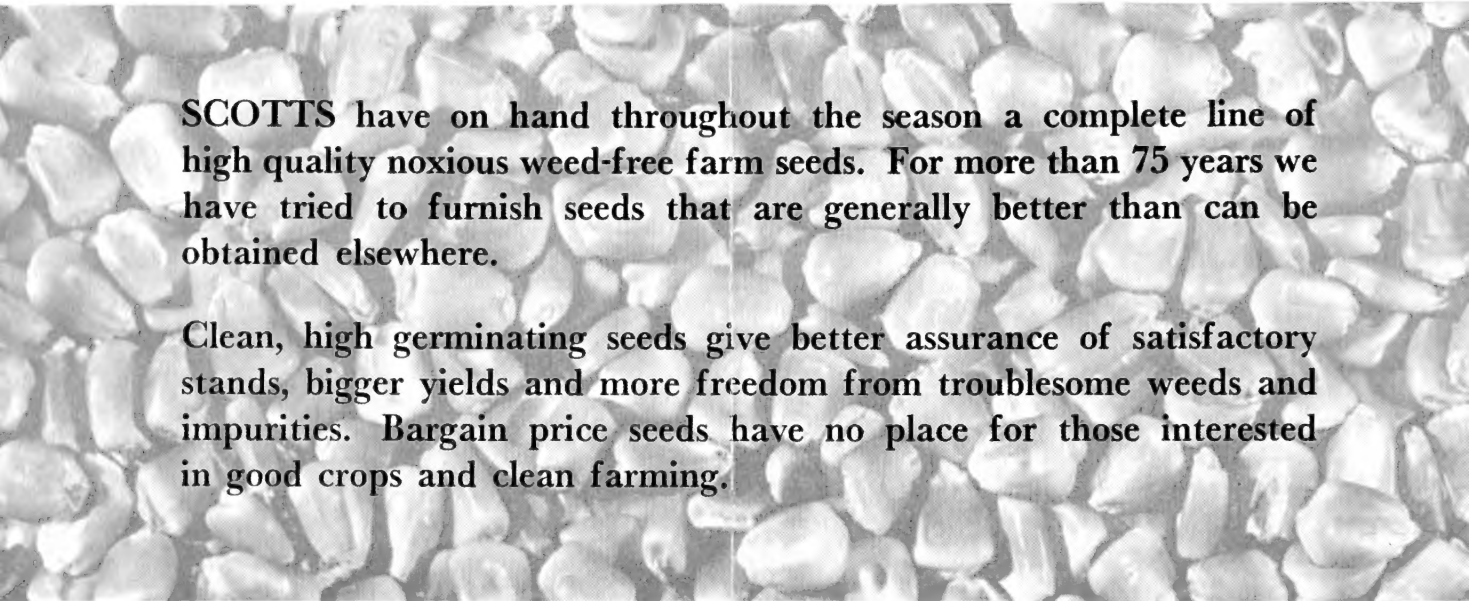
**GRASSES**

Timothy  
Brome Grass  
Orchard Grass  
Rye Grass  
Meadow Fescue

**CLOVERS**

Cumberland  
Midland  
Medium Red  
Mammoth  
Yellow Sweet  
White Sweet

*"We have always found your seeds better than average, always as advertised and we fully expect to continue to do business with you as long as we need farm seeds." Foster L. Apple, Stone, Ky.*



**SCOTTS** have on hand throughout the season a complete line of high quality noxious weed-free farm seeds. For more than 75 years we have tried to furnish seeds that are generally better than can be obtained elsewhere.

Clean, high germinating seeds give better assurance of satisfactory stands, bigger yields and more freedom from troublesome weeds and impurities. Bargain price seeds have no place for those interested in good crops and clean farming.

**MINOR GRASSES**

Alta Fescue  
Ky. 31 Fescue  
Reed Canary  
Red Top  
Bluegrass

**GRAINS**

Wheat  
Oats  
Barley  
Rye  
Buckwheat  
Hybrid Corn

**MINOR CLOVERS**

Alsike  
Ladino  
Birdsfoot Trefoil  
Crimson  
Hubam  
Lespedeza

**OTHER SEEDS**

Sudan Grass  
Sorgo  
Millet  
Vetch  
Rape  
Soybeans

*"Your seeds have always been entirely satisfactory and I have always been well pleased with the prompt and courteous attention my orders received." Wm. J. Catherwood, Gibsonia, Pa.*

*"I can say your seed is the best I have ever used. I believe every seed came up and I can say it produced one hundred per cent. I have recommended your seed to many a farmer as the best." Pearce Wright, R2, Linton, Ind.*

*Scott* **FARM SEED COMPANY**  
MECHANICSBURG, OHIO